

RECEIVED
CENTRAL FAX CENTER

Attorney Docket No. 1422-0001
Customer Number 36291

DEC 22 2008

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A system for denying or allowing delivery of an incoming electronic mail (e-mail) message from a source e-mail server, said incoming message indicating a source e-mail server[.] identity and a source domain, and an addressee for the message associated with the source e-mail server, said system comprising:

a central e-mail server registry database for storing information regarding all e-mail servers and domains combinations of e-mail server identities and associated domains that are authorized to send e-mail messages over the Internet, wherein each e-mail server identity in the registry includes both an e-mail server name as defined in the e-mail server's Domain Name Services (DNS) entry and an Internet Protocol (IP) address;

means for the addressee to specify characteristics of domains that are authorized to send e-mail messages to the addressee;

means for an e-mail a receiving e-mail server serving the addressee to access information from the registry database to determine whether the source domain possesses the specified characteristics combination of the source e-mail server identity and the associated source domain included in the incoming e-mail message is an authorized combination; and

means for allowing delivery of the incoming e-mail message if the source domain possesses the specified characteristics combination included in the incoming e-mail message is an authorized combination, and denying delivery of the incoming e-mail message if the source domain does not possess the specified characteristics combination included in the incoming e-mail message is not an authorized combination.

Response - PAGE 2 of 16

Attorney Docket No. 1422-0001
Customer Number 36291

2. (Currently Amended) The system of claim 1, wherein the information regarding ~~all authorized e-mail servers and domains~~ combinations of e-mail server identities and associated domains includes a status of each e-mail server's registration with the registry database, said status indicating whether each server is registered, whether the server's associated domains are registered, and whether the registrations are in good order.

3. (Currently Amended) The system of claim 2, wherein the means for allowing delivery and denying delivery of the incoming e-mail message includes means for denying delivery if the ~~source domain~~ combination is not registered, or if the registration of the source domain is not in good order.

4. (Currently Amended) The system of claim 2, wherein the means for allowing delivery and denying delivery of the incoming e-mail message includes means for denying delivery if the source domain is not associated with the source e-mail server identity.

5. (Currently Amended) The system of claim 2, wherein the information regarding ~~all authorized e-mail servers and domains~~ combinations of e-mail server identities and associated domains also includes a country code indicating a country of origin associated with each registered domain.

6. (Currently Amended) The system of claim 5, wherein the information regarding ~~all authorized e-mail servers and domains~~ combinations of e-mail server identities and associated domains also includes an industry code indicating an industry associated with each registered domain.

7. (Original) The system of claim 6, wherein the industry code is selected from industry codes defined by the North American Industry Classification System.

Response - PAGE 3 of 16

Attorney Docket No. 1422-0001
Customer Number 36291

8. (Currently Amended) The system of claim 7, wherein the information regarding ~~all authorized e-mail servers and domains~~ combinations of e-mail server identities and associated domains also includes a class code indicating a type of business associated with each registered domain.

9. (Original) The system of claim 8, wherein the class code is selected from a group consisting of:

corporate business;
retail sales business;
corporate sales business;
corporate professional services business; and
consumer professional services business.

10. (Original) The system of claim 2, wherein the means for allowing delivery and denying delivery of the incoming e-mail message also includes means for denying delivery if the source e-mail server is not registered with the central registry database, or if the source e-mail server's registration is not in good standing.

11. (Currently Amended) The system of claim 10, further comprising:
~~a local registry database associated with the receiving e-mail server serving the addressee for downloading predefined information from the central registry database;~~
~~means within the receiving e-mail server serving the addressee for accessing the local registry database in a first attempt to determine whether the source e-mail server and/or and source domain are registered in good standing, and whether the source domain possesses the specified characteristics combination is an authorized combination; and~~

~~means within the receiving e-mail server serving the addressee for accessing the central registry database in a second attempt to determine whether the source e-mail server and/or and source domain are registered in good standing, and whether the source domain possesses the specified characteristics combination is an authorized combination, said second attempt being made in response to determining that the~~

Response - PAGE 4 of 16

Attorney Docket No. 1422-0001
Customer Number 36291

source e-mail server ~~and/or or~~ source domain ~~are is~~ not registered in the local registry database.

12. (Currently Amended) A computer-implemented method of denying or allowing delivery of an incoming electronic mail (e-mail) message from a source e-mail server, said incoming message indicating a source e-mail server[[],] identity and a source domain, and an addressee for the message associated with the source e-mail server, said method comprising the steps of:

~~storing in a central e-mail server registry database, information regarding all e-mail servers and domains authorized to send e-mail messages over the Internet;~~

~~specifying for the addressee, characteristics of domains that are authorized to send e-mail messages to the addressee;~~

~~receiving the incoming e-mail in an e-mail a receiving e-mail server serving the addressee;~~

~~accessing by the receiving e-mail server serving the addressee, information from the a central registry database, said information including combinations of e-mail server identities and associated domains that are authorized to send e-mail messages over the Internet, wherein each e-mail server identity includes both an e-mail server name as defined in the e-mail server's Domain Name Services (DNS) entry and an Internet Protocol (IP) address;~~

~~determining whether the source domain possesses the specified characteristics combination of the source e-mail server identity and the associated source domain included in the incoming e-mail message is an authorized combination;~~

~~allowing delivery of the incoming e-mail message if the source domain possesses the specified characteristics combination included in the incoming e-mail message is an authorized combination; and~~

~~denying delivery of the incoming e-mail message if the source domain does not possess the specified characteristics combination included in the incoming e-mail message is not an authorized combination.~~

13. (Canceled)

Response - PAGE 5 of 16

Attorney Docket No. 1422-0001
Customer Number 36291

14. (Original) The method of claim 12, further comprising denying delivery of the incoming e-mail message if the source e-mail server is not registered in the central registry database.

15. (Original) The method of claim 12, further comprising denying delivery of the incoming e-mail message if the source domain is not registered in the central registry database.

16. (Currently Amended) The method of claim 12, further comprising denying delivery of the incoming e-mail message if the information in the central registry database indicates that the source e-mail server and/or or source domain do not have a registration in good standing.

17. (Original) The method of claim 12, further comprising denying delivery of the incoming e-mail message if the source domain is not associated with the source e-mail server.

18. (Currently Amended) The method of claim 12, further comprising, before receiving the incoming e-mail, the steps of:

downloading from the central registry database to the receiving e-mail server serving the addressee, predefined information from the registry database; and

storing the downloaded information in a local registry database associated with the receiving e-mail server serving the addressee.

19. (Currently Amended) The method of claim 18, further comprising, after receiving the incoming e-mail, the steps of:

accessing by the receiving e-mail server serving the addressee, the local registry database in a first attempt to determine whether the source e-mail server and/or and source domain are registered in good standing, and whether the source

Attorney Docket No. 1422-0001
Customer Number 36291

~~domain possesses the specified characteristics combination included in the incoming e-mail message is an authorized combination; and~~

~~if the source e-mail server and/or or source domain are is not registered in the local registry database, accessing by the receiving e-mail server serving the addressee, the central registry database in a second attempt to determine whether the source e-mail server and/or and source domain are registered in good standing, and whether the source domain possesses the specified characteristics combination included in the incoming e-mail message is an authorized combination.~~

20. (Original) The method of claim 18, further comprising periodically refreshing the downloaded information in the local registry database.

21. (Currently Amended) The method of claim 18, further comprising refreshing the downloaded information in the local registry database when requested by the ~~receiving e-mail server serving the addressee~~.

22. (Currently Amended) An e-mail server registry comprising:
~~means for registering e-mail servers and domains authorized to send e-mail messages over the Internet;~~

~~an e-mail server registry database for storing information regarding the registered e-mail servers and domains combinations of e-mail server identities and associated domains that are authorized to send e-mail messages over the Internet, wherein each e-mail server identity in the registry includes both an e-mail server name as defined in the e-mail server's Domain Name Services (DNS) entry and an Internet Protocol (IP) address; and~~

~~means for responding to queries from registered e-mail servers regarding either e-mail servers and/or domains whether queried combinations of e-mail server identities and associated domains are authorized to send e-mail messages over the Internet.~~

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PAGE 09/17

PAGE 9/9 * RCVD AT 12/20/2008 6:59:51 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-4/14 * DNIS:2738300 * CSID:9723852910 * DURATION (mm:ss):13:50

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